

Converting Colors

$Y_{xy}(25.1374, 0.4745, 0.4614)$

Have a look what the booklet for
Yxy(25.1374, 0.4745, 0.4614)
contains.

Yxy(25.1954, 0.4743, 0.4616)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.1954, 0.4743, 0.4616)

Conversions

Conversions Part 1

Format	Color
Hex	B08200
RGB	176, 130, 0
RGB Percent	69%, 51%, 0%
CMY	0.3098, 0.4902, 1.0000
CMYK	0.00, 0.26, 1.00, 0.31
HSL	44°, 100%, 35%
HSV	44°, 100%, 69%
XYZ	25.8886, 25.1954, 3.4988
YIQ	128.9340, 69.1460, -30.6780

Conversions

Conversions Part 2

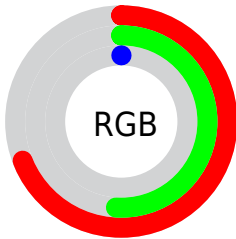
Format	Color
RYB	62, 176, 0
Decimal	11567616
CIELab	57.27, 8.31, 62.74
CIELCh	57, 63.284, 82.453
Yxy	25.1954, 0.4743, 0.4616
Android (android.graphics.Color)	4289757696 (0xFFB08200)
YUV	128.9340, -63.5645, 41.2769
Hunter-Lab	50.1950, 4.2219, 31.0038

Details

The Yxy color **25.1954, 0.4743, 0.4616** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **5.0903, 0.1588, 0.0917**, and the grayscale version is **22.1388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1295, 0.4471, 0.4431**, and **9.7364, 0.4848, 0.4533** is the 20% darker color. If you saturate the color by 10%, you get **25.1959, 0.4743, 0.4616**, and if you desaturate by 10%, it is **26.4906, 0.4640, 0.4617**.

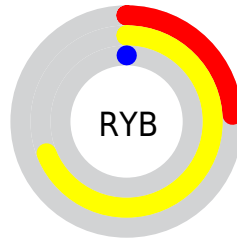
Distribution



Red (69%)

Green (51%)

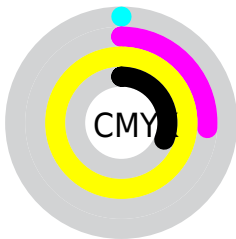
Blue (0%)



Red (24%)

Yellow (69%)

Blue (0%)

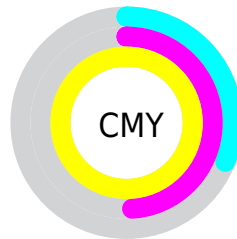


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.1954, 0.4743, 0.4616 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 25.1954, 0.4743, 0.4616 by changing the saturation by 10% instead.


 25.1954, 0.4743,
0.4616


 25.1954, 0.4743,
0.4616


278.8097, 0.3945,
0.4007


 16.2227, 0.4898,
0.4709


 51.9740, 0.4477,
0.4429


 9.6819, 0.5113,
0.4835


 70.5488, 0.4367,
0.4347

 5.1885, 0.5200,
0.4800

 93.0930, 0.4272,
0.4273

 2.3583, 0.5295,
0.4705

 119.9910, 0.4189,
0.4207

 0.8043, 0.5476,
0.4524


 151.6273, 0.4116,
0.4148


 0.0000, 0.0000,
0.0000


 188.3862, 0.4052,


0.4096

 230.6522, 0.3996,
0.4049


 25.1954, 0.4743,
0.4616


 25.1954, 0.4743,
0.4616

 25.1959, 0.4743,
0.4616

 26.4906, 0.4640,
0.4617

 27.8778, 0.4512,
0.4578

 29.3736, 0.4358,
0.4493

 30.9856, 0.4183,
0.4368

 32.7203, 0.3998,
0.4211

■ 34.5835, 0.3809,
0.4035

■ 36.5805, 0.3623,
0.3847

■ 38.7161, 0.3446,
0.3657

■ 40.9949, 0.3280,
0.3470

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.1954, 0.5202, 0.3874



25.1954, 0.4743, 0.4616



25.1954, 0.3904, 0.5216

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



25.1954, 0.4743, 0.4616



25.1954, 0.1532, 0.2980



25.1954, 0.3018, 0.2040

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



25.1954, 0.4743, 0.4616



5.0903, 0.1588, 0.0917

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



25.1954, 0.2119, 0.1787



25.1954, 0.4743, 0.4616



25.1954, 0.1394, 0.2168

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



25.1954, 0.4743, 0.4616



25.1954, 0.2058, 0.4207



25.1954, 0.1587, 0.1809



25.1954, 0.4139, 0.2528

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



25.1954, 0.4743, 0.4616



25.1954, 0.3256, 0.5299



25.1954, 0.1587, 0.1809



25.1954, 0.2680, 0.1927

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



25.1967, 0.4743, 0.4616



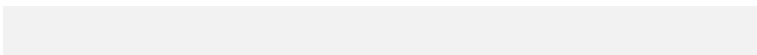
66.1397, 0.3633, 0.3857



9.4360, 0.5868, 0.3006



14.0056, 0.3709, 0.3935



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.1967, 0.4743, 0.4616



45.3055, 0.4754, 0.4607



36.1999, 0.3787, 0.5375



9.5232, 0.3269, 0.3457



18.5837, 0.4736, 0.4622



0.6732, 0.4555, 0.4766

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



5.0903, 0.1588, 0.0917



8.9161, 0.1581, 0.0890



3.6081, 0.1631, 0.0672



8.5794, 0.2985, 0.3117



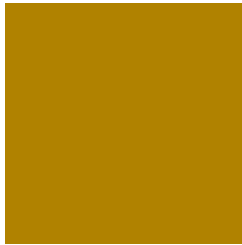
3.8172, 0.1593, 0.0934



0.2171, 0.1750, 0.1500

Previews

White Background



This preview shows how the Yxy color 25.1954, 0.4743, 0.4616 looks on a white background.

Color Contrast Check

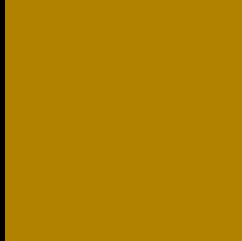
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 25.1954, 0.4743, 0.4616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

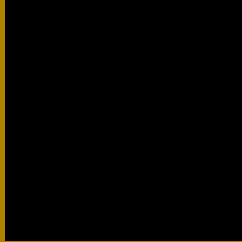
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.1954, 0.4743, 0.4616

Background



This preview shows how black text looks on a background with the Yxy color 25.1954, 0.4743, 0.4616.



This preview shows how white text looks on a background with the Yxy color 25.1954, 0.4743, 0.4616.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

25.1954, 0.4743, 0.4616

Protanopia

25.2668, 0.4388, 0.4852

Deuteranopia

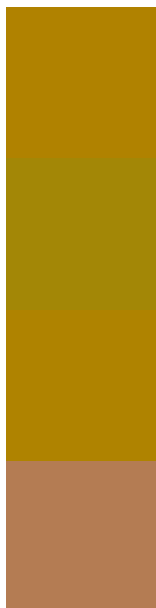
25.2313, 0.4707, 0.4644



Tritanopia

25.2315, 0.3780, 0.3162

Trichromacy



Original Color

25.1954, 0.4743, 0.4616

Protanomaly

25.1276, 0.4517, 0.4768

Deuteranomaly

25.3466, 0.4718, 0.4636

Tritanomaly

24.7431, 0.4322, 0.3876

Monochromacy



Original Color

25.1954, 0.4743, 0.4616

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.4207, 0.3871, 0.4088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1954, 0.4743, 0.4616 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(176, 130, 0)` looks like.

```
.text, #text, p{  
  color:rgb(176, 130, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(176, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 130, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.1954, 0.4743, 0.4616 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 130, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(176, 130, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(176, 130, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 130,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1954, 0.4743, 0.4616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 130, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(176,  
130, 0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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